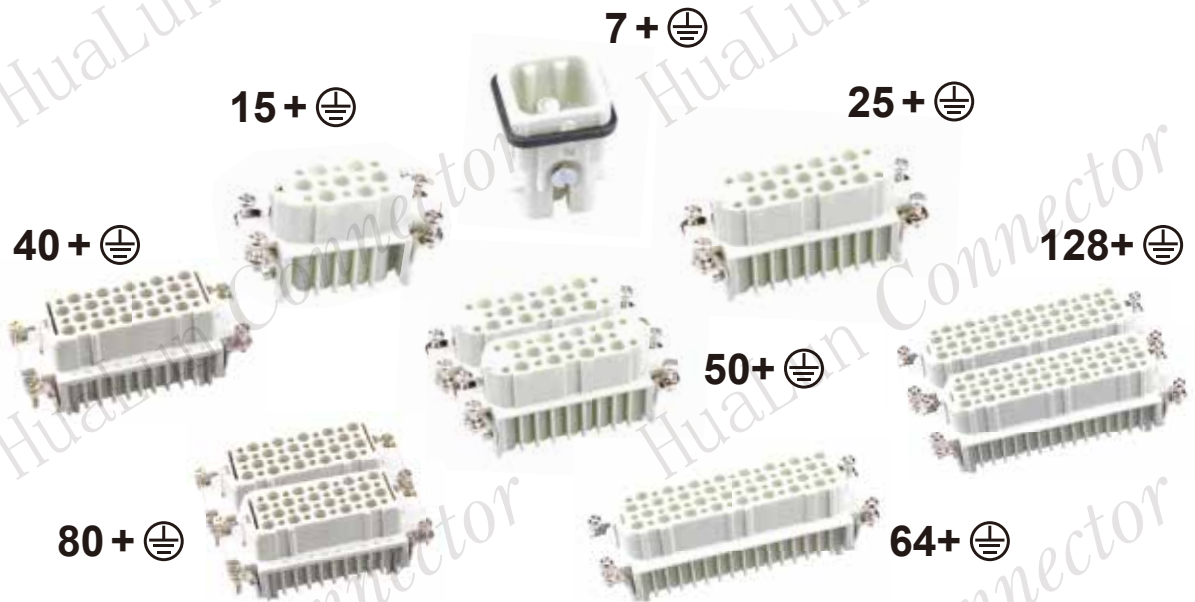


Crimp

- 7, 15, 25, 40, 50, 64, 80, 128 Contacts
- Current: 10A

D Series



Crimp Tool



Extraction Tool



HLD Series

Technical Characteristics

■ Inserts

Number of contacts: 7, 15, 25, 40
50 (2×25), 64
80 (2×40), 128 (2×64)+PE

HLD:	10A	250V	4KV	3
Working current				
Working voltage				
Rated shock voltage				
Pollution degree				
Pollution degree 2 also	10A	230/400V	4KV	2

Working voltage acc. to UL-CSA 600V
Insulation resistance $\geq 10^{10} \Omega$
Material Polycarbonate
Temperature range $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Flammability acc. to UL 94 V-0
Mechanical working life ≥ 500
-mating cycles

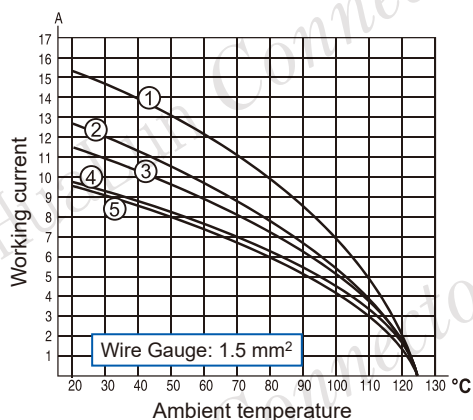
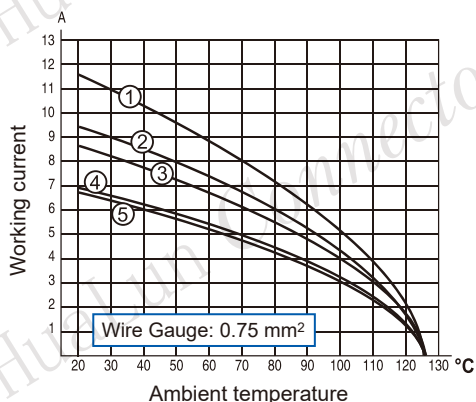
■ Contacts

Material Copper alloy
Surface - silver plated $3 \mu\text{m Ag}$
Contact resistance $\leq 3\text{m}\Omega$
Crimp terminal mm^2 0.14~2.5 mm^2
AWG 26~14AWG

■ Current Carrying Capacity

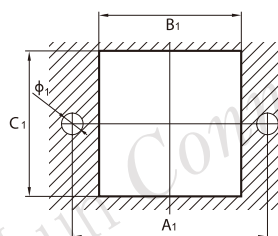
Current-carrying capacity tends to decline with the ambient temperature going higher and its contacts increasing.

Current De-rating

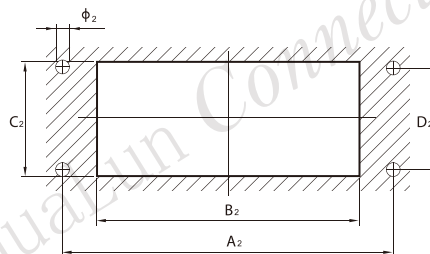


① **HLD 7** ② **HLD 15** ③ **HLD 25** ④ **HLD 40** ⑤ **HLD 64**

Panel Mounted & Mounting Hole



Type	A ₁ (mm)	B ₁ (mm)	C ₁ (mm)	φ ₁ (mm)
HLD 7	30	22	22	3.3



Type	A ₂ (mm)	B ₂ (mm)	C ₂ (mm)	D ₂ (mm)	φ ₂ (mm)
HLD 15	70	57	24	17.5	3.3
HLD 25	86	73	24	17.5	3.3
HLD 40	103	82	35	32	4.4
HLD 50	92	73	48	42	4.4
HLD 64	130	108	35	32	4.4
HLD 80	110	86	71	65	5.5
HLD 128	148	117	81	70	6.4

— D Series Connector —

HLD7

250V 10A

P (Pin)

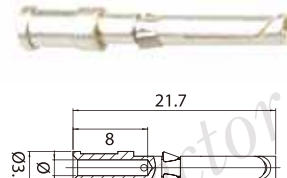
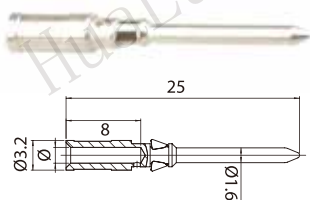
crimp pin

Wire gauge (mm²)

Ø
mm

Strip length
(mm)

S (Socket) crimp socket


Part Number **DCP 22**

0.14-0.37

AWG26-22

0.90

8

Part Number **DCS 22**
DCP 20

0.5

AWG20

1.10

8

DCS 20
DCP 18S

0.75

AWG18

1.30

8

DCS 18S
DCP 18

1.0

AWG18

1.45

8

DCS 18
DCP 16

1.5

AWG16

1.75

8

DCS 16
DCP 14

2.5

AWG14

2.25

6

DCS 14

Crimp Tool

Part Number **M22520/1-01**


Extraction Tool

Part Number **ET16**


Locator

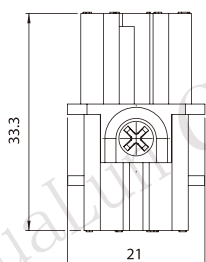
Part Number **D1612**


P (Pin)

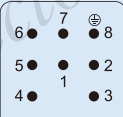
Contact arrangement
View from termination side

S (Socket)

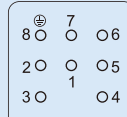
7P + ⊕


Part Number **HLD7P**


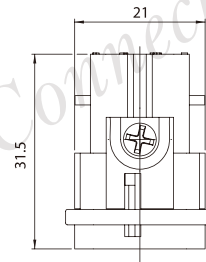
P



S



7S + ⊕


Part Number **HLD7S**


Shell style see Page 20

— D Series Connector —

HLD15

250V 10A

P (Pin)

Contact arrangement
View from termination side

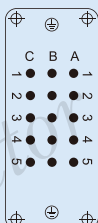
S (Socket)

15P + ⚡

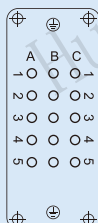


Part Number **HLD15P**

P



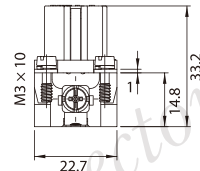
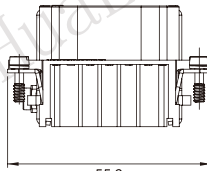
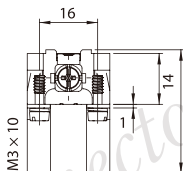
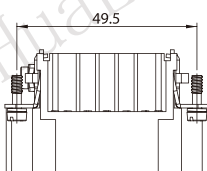
S



15S + ⚡



Part Number **HLD15S**



Shell style see Page 21

HLD25

250V 10A

P (Pin)

Contact arrangement
View from termination side

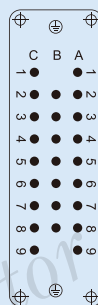
S (Socket)

25P + ⚡

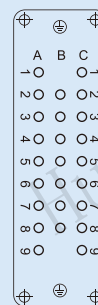


Part Number **HLD25P**

P



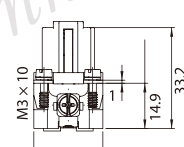
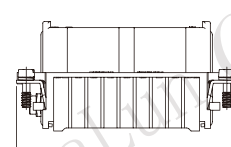
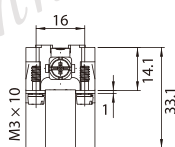
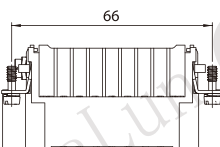
S



25S + ⚡



Part Number **HLD25S**



Shell style see Page 22

— D Series Connector —

HLD40

250V 10A

P (Pin)

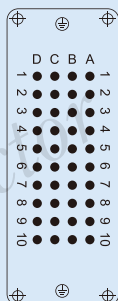
Contact arrangement
View from termination side

S (Socket)

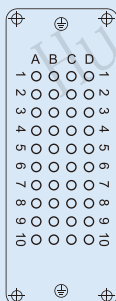
40P +


Part Number **HLD40P**

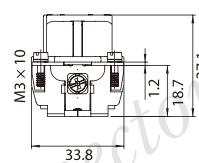
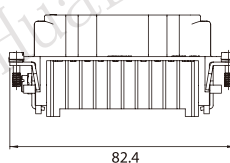
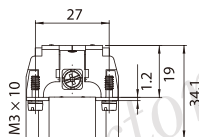
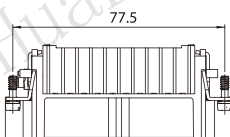
P



S



40S +


Part Number **HLD40S**


Shell style see Page 23~25

HLD50

250V 10A

P (Pin)

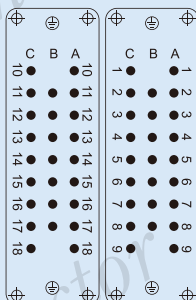
Contact arrangement
View from termination side

S (Socket)

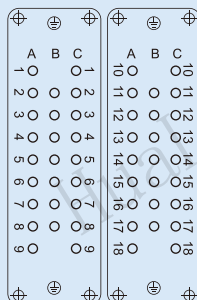
50P +


Part Number **HLD50P**

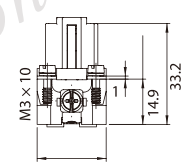
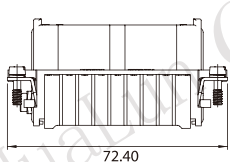
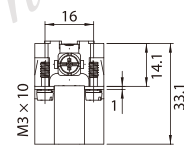
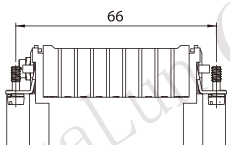
P



S



50S +


Part Number **HLD50S**


Shell style see Page 26

— D Series Connector —

HLD64

250V 10A

P (Pin)

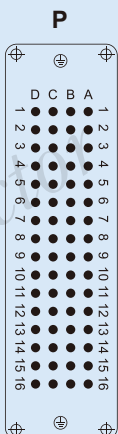
Contact arrangement
View from termination side

S (Socket)

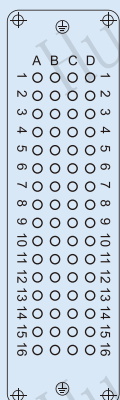
64P + ⚡



Part Number **HLD64P**



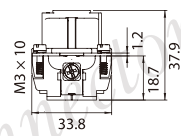
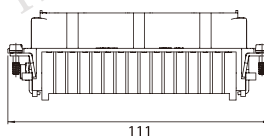
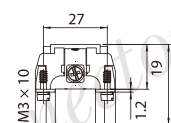
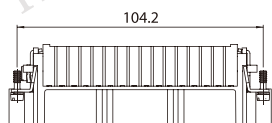
S



64S + ⚡



Part Number **HLD64S**



Shell style see Page 27~29

HLD80

250V 10A

P (Pin)

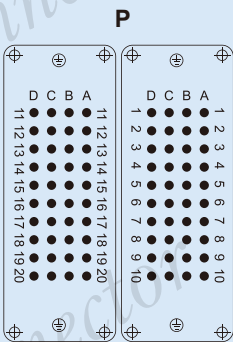
Contact arrangement
View from termination side

S (Socket)

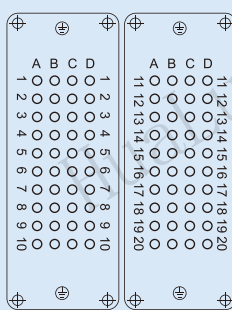
80P + ⚡



Part Number **HLD80P**



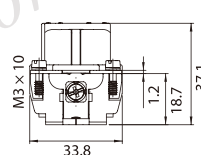
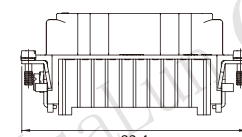
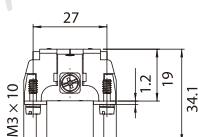
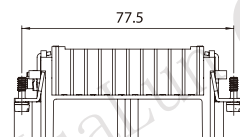
S



80S + ⚡



Part Number **HLD80S**



Shell style see Page 30~31



TUV SUD



ISO9001

ISO14001

ISO45001



华伦连接器
HuaLun Connector

— D Series Connector —

HLD128

250V 10A

P (Pin)

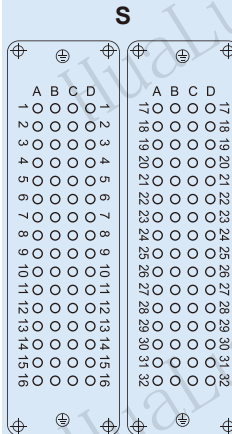
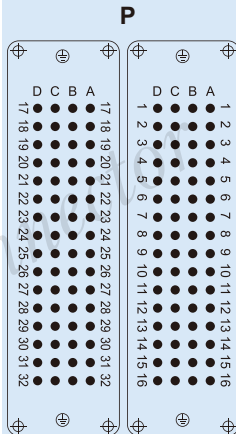
Contact arrangement

View from termination side

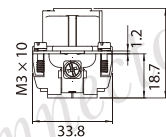
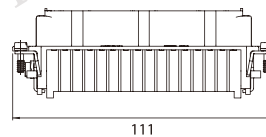
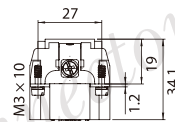
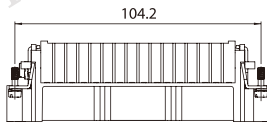
S (Socket)


128P + ⚡

Part Number **HLD128P**


128S + ⚡

Part Number **HLD128S**



Shell style see Page 32

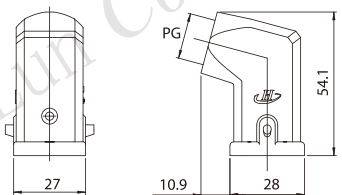
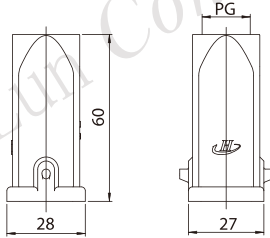
D

— D Series Shell style —

D7 Code

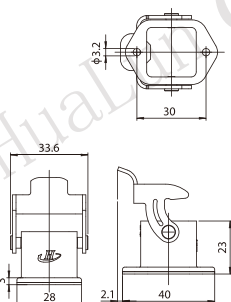
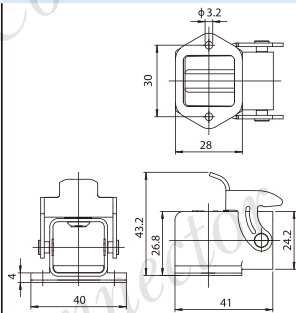
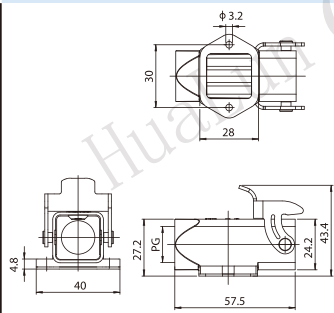
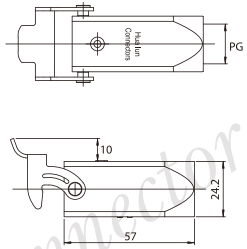
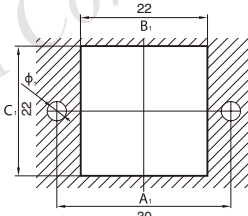
Plug

Accessories see P98-100

Shell	SEL Side Entry 	TEL Top Entry 
Code	HLD7SEL	HLD7TEL
Drawing		



Receptacle

Shell	BHL Bulkhead 	BSL Bulkhead With Side Mating 	OSL One-Side Entry 	CCL Cable To Cable 										
Code	HLD7BHL	HLD7BSL	HLD7OSL	HLD7CCL										
Drawing														
 <table border="1"> <thead> <tr> <th>Type</th><th>A₁(mm)</th><th>B₁(mm)</th><th>C₁(mm)</th><th>φ₁(mm)</th></tr> </thead> <tbody> <tr> <td>HLD7</td><td>30</td><td>22</td><td>22</td><td>3.3</td></tr> </tbody> </table>					Type	A ₁ (mm)	B ₁ (mm)	C ₁ (mm)	φ ₁ (mm)	HLD7	30	22	22	3.3
Type	A ₁ (mm)	B ₁ (mm)	C ₁ (mm)	φ ₁ (mm)										
HLD7	30	22	22	3.3										
Unit: mm														



TUV SUD



ISO9001

ISO14001

ISO45001



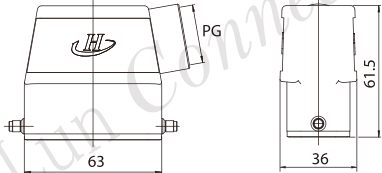
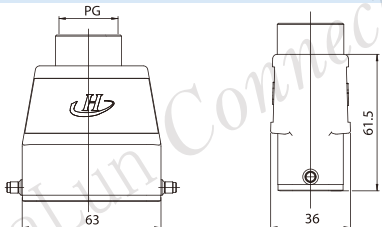
华伦连接器
HuaLun Connector

— D Series Shell style —

D15 Code

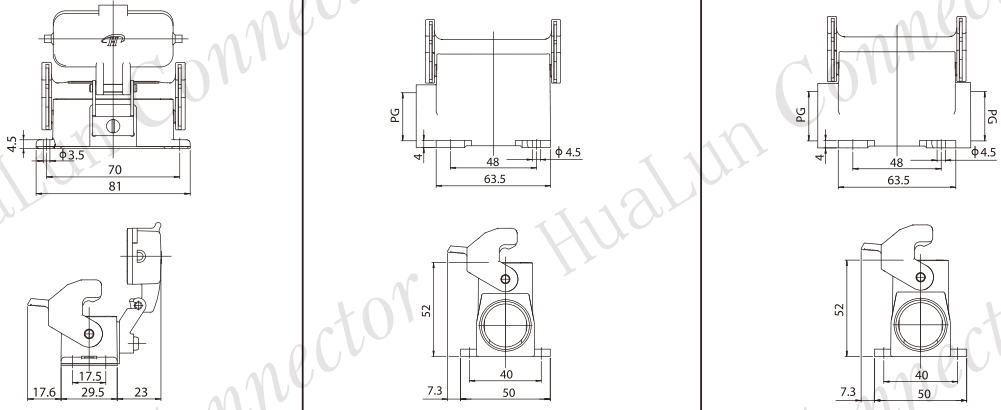
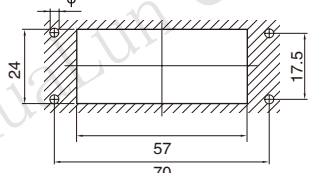
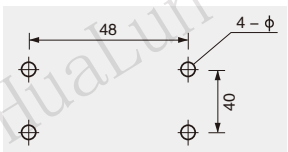
Plug

Accessories see P98-100

Shell	SEL Side Entry		PG16
	TEL Top Entry		PG16
	HLD15SEL	HLD15TEL	
Drawing			
			



Receptacle

Shell	BCL Bulkhead With Cap		
	OSL One-Side Entry		PG21 PG16
	TSL Two-Side Entry		PG21 PG16
Code	HLD15BCL	HLD15OSL	HLD15TSL
			
Drawing			
	The mounting panel does not open rectangular holes Drill four holes at center intervals 		

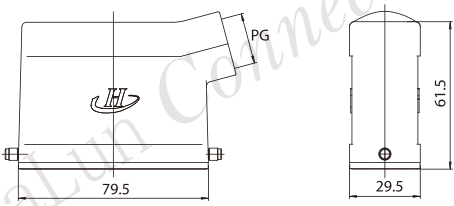
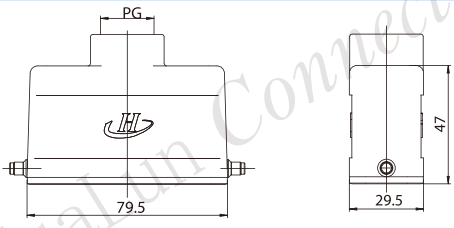
Unit: mm

— D Series Shell style —

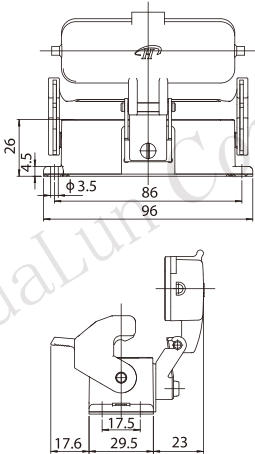
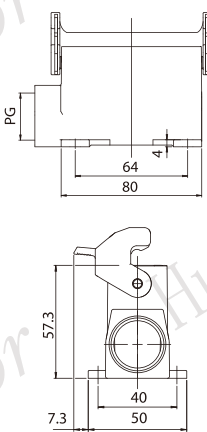
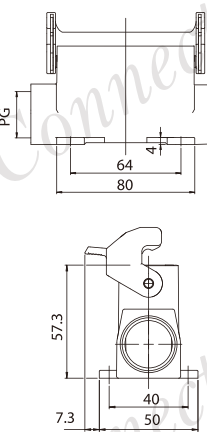
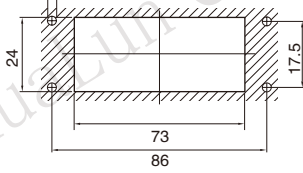
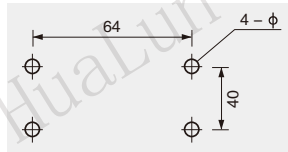
D25 Code

Plug

Accessories see P98-100

Shell	SEL Side Entry  PG16 PG13.5	TEL Top Entry  PG16 PG13.5
Code	HLD25SEL	HLD25TEL
Drawing	 79.5 61.5 29.5	 PG 79.5 47 29.5

Receptacle

Shell	BCL Bulkhead With Cap 	OSL One-Side Entry  PG16 PG13.5	TSL Two-Side Entry  PG16 PG13.5
Code	HLD25BCL	HLD25OSL	HLD25TSL
Drawing	 26 4.5 Φ3.5 86 96 17.6 29.5 23	 PG 64 4 80 57.3 7.3 40 50	 PG 64 4 80 57.3 7.3 40 50
Panel Mounted & Mounting Hole  24 73 86 17.5		The mounting panel does not open rectangular holes Drill four holes at center intervals  64 40 4-Φ	

Unit: mm



TUV SUD



ISO9001

ISO14001

ISO45001



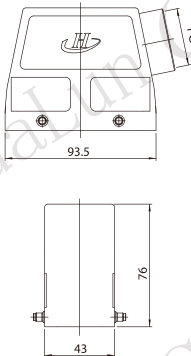
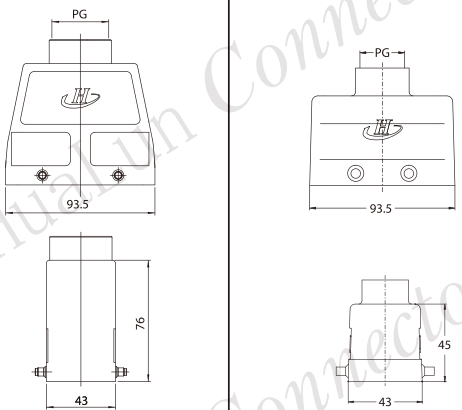
华伦连接器
HuaLun Connector

— D Series Shell style —

D40 Code

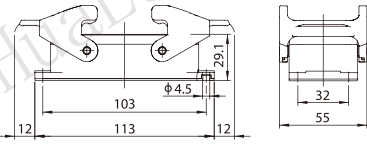
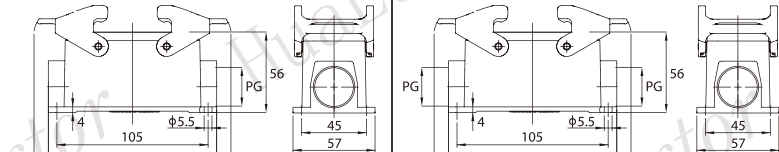
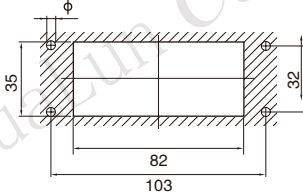
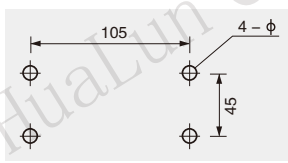
Plug

Accessories see P98-100

Shell	SE Side Entry  PG29	SE Side Entry  PG21 PG16	TE Top Entry  PG29	TE Top Entry  PG21 PG16
Code	HLD40SE		HLD40TE	
Drawing				



Receptacle

Shell	BH Bulkhead 	OS One-Side Entry  PG21 PG16	TS Two-Side Entry  PG21 PG16
Code	HLD40BH	HLD40OS	HLD40TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm

— D Series Shell style —

D40 Code

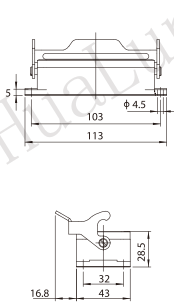
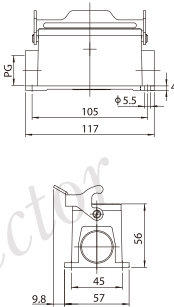
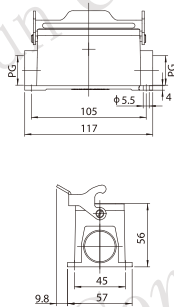
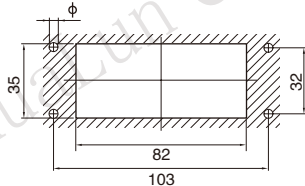
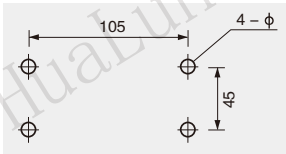
Plug

Accessories see P98-100

Shell	SEL Side Entry	SEL Side Entry	TEL Top Entry	TEL Top Entry
	PG29	PG21 PG16	PG29	PG21 PG16
Code	HLD40SEL		HLD40TEL	
Drawing				

Receptacle



Shell	BHL Bulkhead	BCL Bulkhead With Cap	OSL One-Side Entry	OCL One-Side Entry With Cap	TSL Two-Side Entry	TCL Two-Side Entry With Cap
			 PG21 PG16	 PG21 PG16	 PG21 PG16	 PG21 PG16
Code	HLD40BHL	HLD40BCL	HLD40OSL	HLD40OCL	HLD40TSL	HLD40TCL
Drawing						
	Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 			
	Unit: mm					

— D Series Shell style —

D40 Code

Plug

Accessories see P98-100

Shell	SL Side Entry PG29	SL Side Entry PG21 PG16	TL Top Entry PG29	TL Top Entry PG21 PG16
Code	HLD40SL		HLD40TL	
Drawing				

Receptacle



Shell	BC Bulkhead With Cap	OC One-Side Entry With Cap PG21 PG16	TC Two-Side Entry With Cap PG21 PG16
Code	HLD40BC	HLD40OC	HLD40TC
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

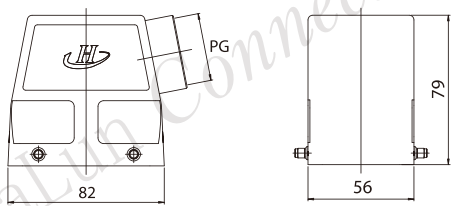
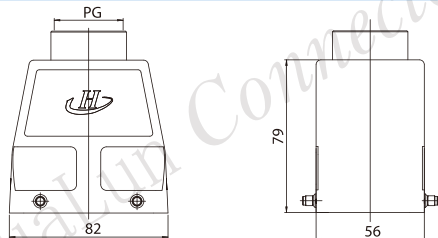
Unit: mm

— D Series Shell style —

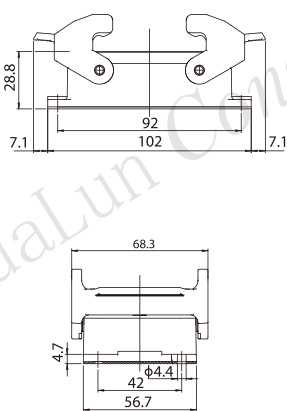
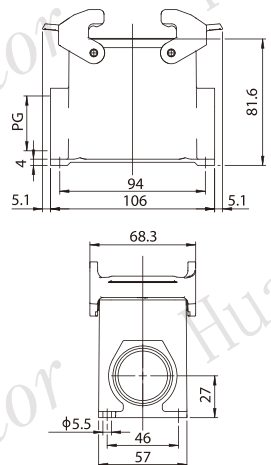
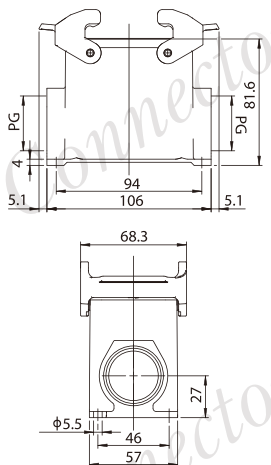
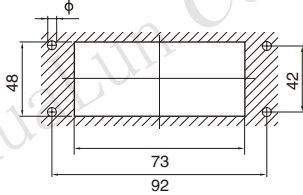
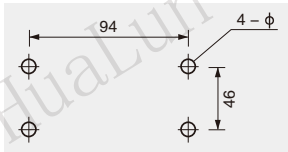
D50 Code

Plug

Accessories see P98-100

Shell	SE Side Entry  PG21 PG29	TE Top Entry  PG21 PG29
Code	HLD50SE	HLD50TE
Drawing		

Receptacle

Shell	BH Bulkhead 	OS One-Side Entry  PG21 PG29	TS Two-Side Entry  PG21 PG29
Code	HLD50BH	HLD50OS	HLD50TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

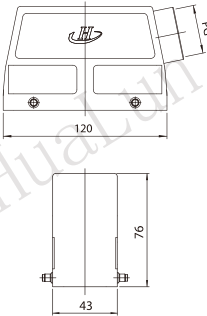
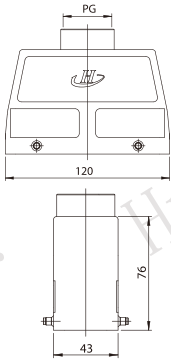
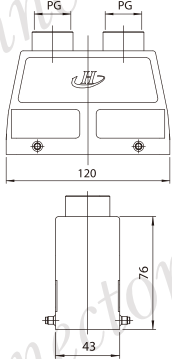
Unit: mm

— D Series Shell style —

D64 Code

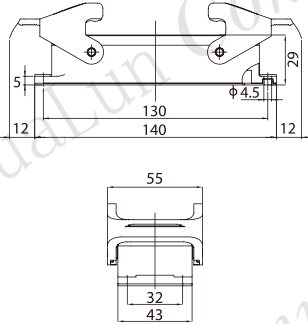
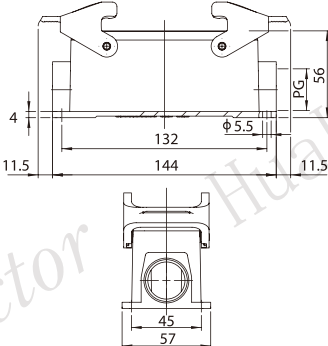
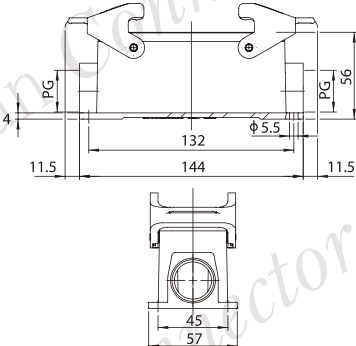
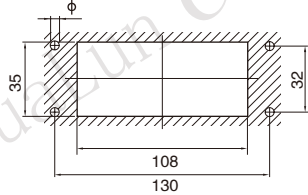
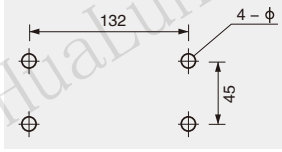
Plug

Accessories see P98-100

Shell	SE Side Entry PG29 	SE Side Entry PG21 PG16 	TE Top Entry PG29 	TE Top Entry PG21 PG16 	TT Two-Top Entry PG21 PG16 
Code	HLD64SE		HLD64TE		HLD64TT
Drawing					



Receptacle

Shell	BH Bulkhead 	OS One-Side Entry PG21 PG16 	TS Two-Side Entry PG21 PG16 
Code	HLD64BH	HLD64OS	HLD64TS
Drawing			
Panel Mounted & Mounting Hole 		The mounting panel does not open rectangular holes Drill four holes at center intervals 	

Unit: mm

— D Series Shell style —

D64 Code

Plug

Accessories see P98-100

Shell	SEL Side Entry	SEL Side Entry	TEL Top Entry	TEL Top Entry
	PG29	PG21 PG16	PG29	PG21 PG16
Code	HLD64SEL		HLD64TEL	
Drawing				

Receptacle



Shell	BHL Bulkhead	BCL Bulkhead With Cap	OSL One-Side Entry	OCL One-Side Entry With Cap	TSL Two-Side Entry	TCL Two-Side Entry With Cap
			 PG21 PG16	 PG21 PG16	 PG21 PG16	 PG21 PG16
Code	HLD64BHL	HLD64BCL	HLD64OSL	HLD64OCL	HLD64TSL	HLD64TCL
Drawing						
	Panel Mounted & Mounting Hole		The mounting panel does not open rectangular holes Drill four holes at center intervals			
Unit: mm						

Unit: mm



TUV SUD



ISO9001

ISO14001

ISO45001



华伦连接器
HuaLun Connector

— D Series Shell style —

D64 Code

Plug

Accessories see P98-100

Shell	SL Side Entry PG29	SL Side Entry PG21 PG16	TL Top Entry PG29	TL Top Entry PG21 PG16
Code	HLD64SL		HLD64TL	
Drawing				

Receptacle



Shell	BC Bulkhead With Cap	OC One-Side Entry With Cap	TC Two-Side Entry With Cap PG21 PG16
Code	HLD64BC	HLD64OC	HLD64TC
Drawing			
	Panel Mounted & Mounting Hole The mounting panel does not open rectangular holes Drill four holes at center intervals		

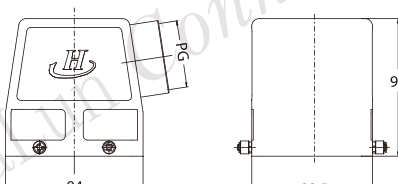
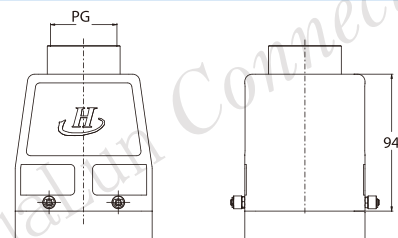
Unit: mm

— D Series Shell style —

D80 Code

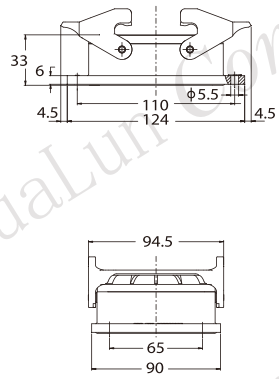
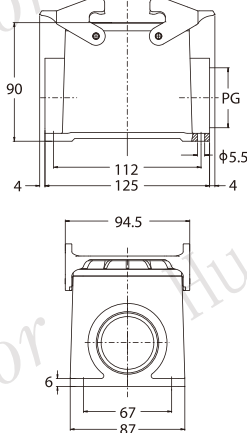
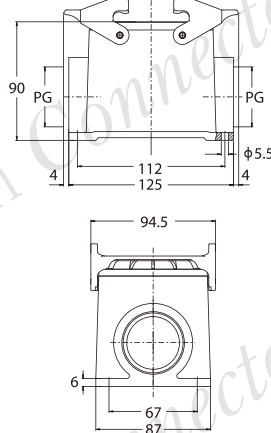
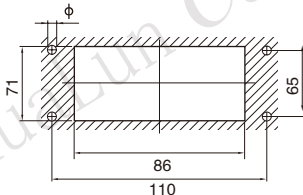
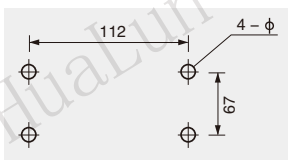
Plug

Accessories see P98-100

Shell	SE Side Entry  PG36 PG29	TE Top Entry  PG36 PG29
Code	HLD80SE	HLD80TE
Drawing	 94, 82.5, 94	 PG, 94, 82.5, 94

Receptacle



Shell	BH Bulkhead 	OS One-Side Entry  PG36 PG29	TS Two-Side Entry  PG36 PG29
Code	HLD80BH	HLD80OS	HLD80TS
Drawing	 33, 6, 4.5, 110, 124, 4.5, 94.5, 65, 90	 90, PG, 112, 125, 4, 94.5, 6, 67, 87	 90, PG, 112, 125, 4, 94.5, 6, 67, 87
Panel Mounted & Mounting Hole  71, 86, 110, 65		The mounting panel does not open rectangular holes Drill four holes at center intervals  112, 4 - ϕ, 67	

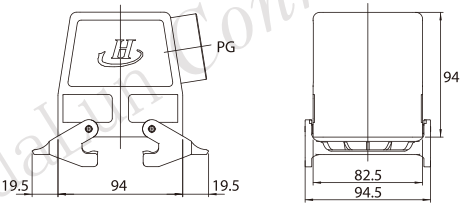
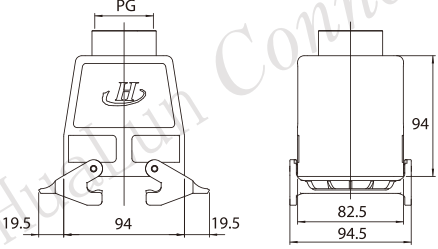
Unit: mm

— D Series Shell style —

D80 Code

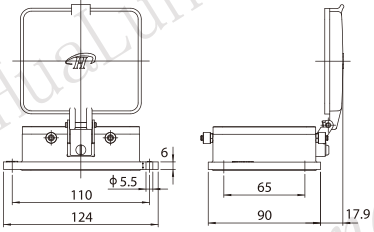
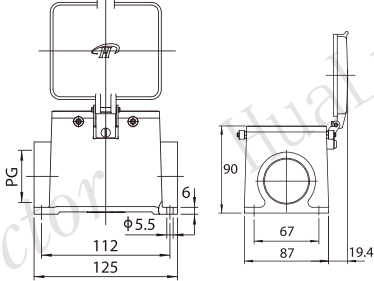
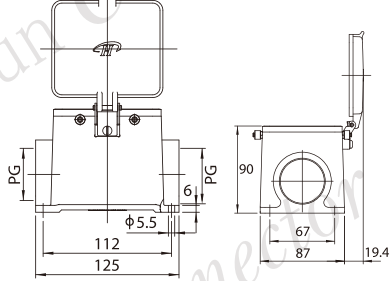
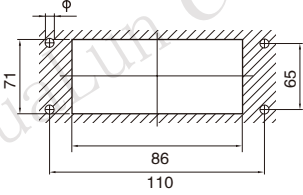
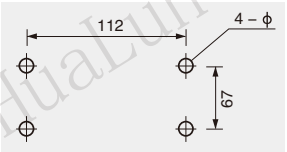
Plug

Accessories see P98-100

Shell	SL Side Entry  PG36 PG29	TL Top Entry  PG36 PG29
	HLD80SL	HLD80TL
Drawing		



Receptacle

Shell	BC Bulkhead With Cap 	OC One-Side Entry With Cap  PG36 PG29	TC Two-Side Entry With Cap  PG36 PG29
	HLD80BC	HLD80OC	HLD80TC
Drawing			
	Panel Mounted & Mounting Hole 	The mounting panel does not open rectangular holes Drill four holes at center intervals 	

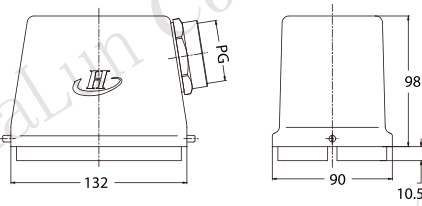
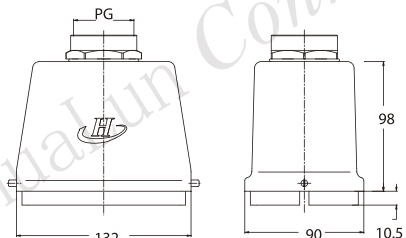
Unit: mm

— D Series Shell style —

D128 Code

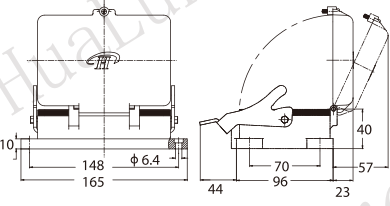
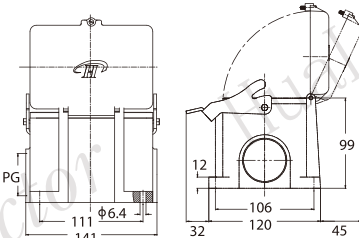
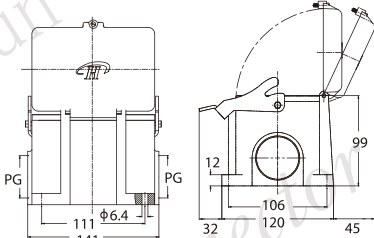
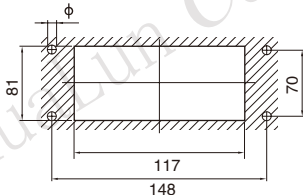
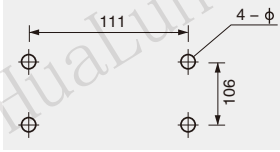
Plug

Accessories see P98-100

Shell	SEL Side Entry  PG36 PG29	TEL Top Entry  PG36 PG29
	HLD128SEL	HLD128TEL
Drawing	 Dimensions: 132, 98, 90, 10.5	 Dimensions: 132, 98, 90, 10.5



Receptacle

Shell	BCL Bulkhead With Cap 	OCL One-Side Entry With Cap  PG36 PG29	TCL Two-Side Entry With Cap  PG36 PG29
	HLD128BCL	HLD128OCL	HLD128TCL
Drawing	 Dimensions: 148, 165, 10, 44, 70, 96, 23, 57, 40, 6.4	 Dimensions: 111, 141, 12, 106, 120, 45, 99, 6.4	 Dimensions: 111, 141, 12, 106, 120, 45, 99, 6.4
Panel Mounted & Mounting Hole  Dimensions: 81, 117, 148, 70		The mounting panel does not open rectangular holes Drill four holes at center intervals  Dimensions: 111, 106, 4-φ	

Unit: mm